Nov. 2, 1926. 1,605,534

W. DUPRÉ

RECEPTACLE

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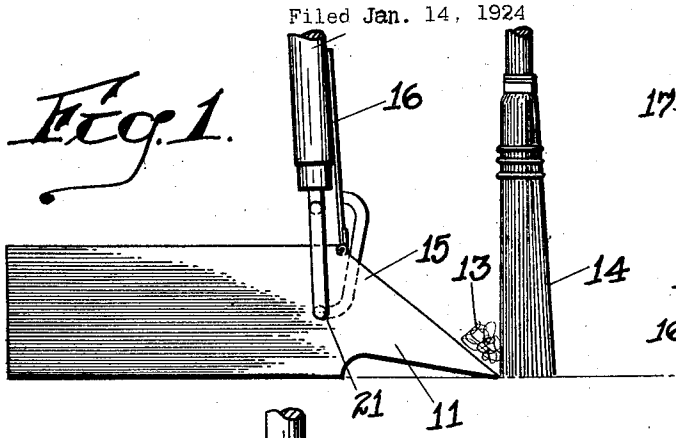


Fig. 1.

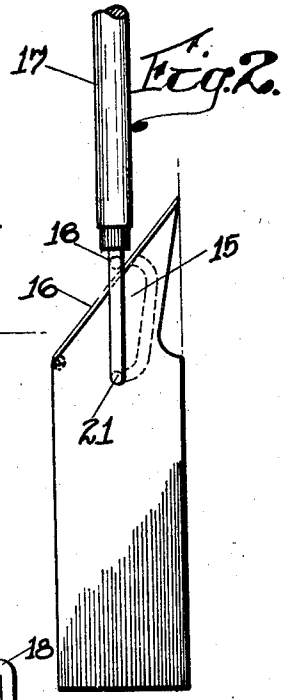


Fig. 2.

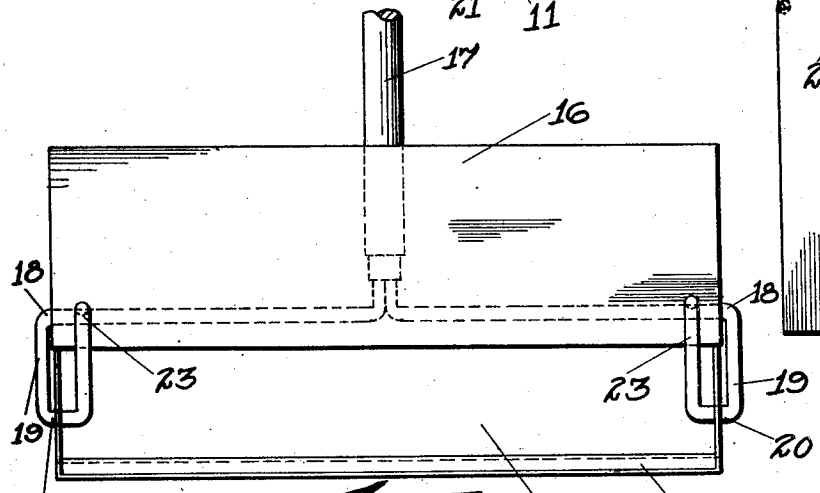


Fig. 3.

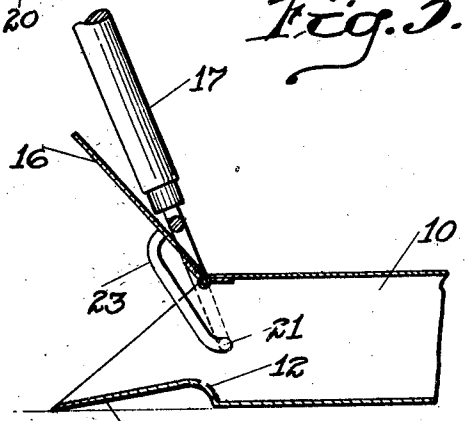


Fig. 5.

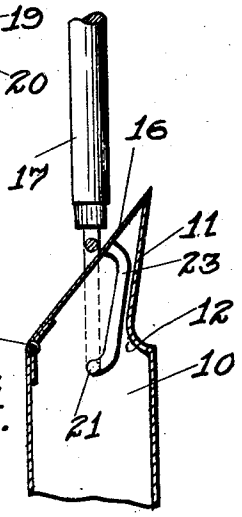


Fig. 4.

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UNITED STATES PATENT OFFICE.

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RECEPTACLE.

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The purpose of the present invention is the provision of a device of this character which shall be simple and inexpensive of construction but which will have means for automatically controlling the ingress or egress of material with respect thereto.

A further object of the invention is the provision of a receptacle and closure therefor in which the operation of the closure shall be automatically effected through the use of novel and simplified gravitationally-actuated mechanism.

In the attainment of the foregoing, the invention broadly comprises a container, a hinged cover therefor, and means for automatically opening and closing the cover as the device is moved into and out of operative position.

In a more specific aspect, the invention includes a handle member disposed beyond the center of gravity of the container in the direction of the open portion or mouth thereof, a hinged cover, and portions associated with the handle and adapted to engage opposite sides of the cover to open and shut it as the handle is moved with respect to the container.

To assist in an understanding of the invention I have shown in the accompanying drawings, one specific embodiment of the principles thereof, but it is to be understood that I may make any modifications in the details of construction or arrangement of parts there shown within the scope of the appended claims without departing from or exceeding the spirit of the invention.

Figure 1 is a side elevation of the device in use.

Figure 2 is a similar view of the device in closed or carrying position.

Figure 3 is a front view of the construction in the position shown in Figure 1.

Figure 4 is a fragmentary longitudinal sectional view of the device with the cover closed as shown in Figure 2, and,

Figure 5 is a similar sectional view with the cover in partially opened position.

In the drawings, in which similar characters of reference are employed to denote corresponding parts throughout the several views, the numeral 10 is employed to denote as an entirety the body portion of the receptacle or container, which is here shown as of substantially oblong or rectangular form, the particular shape, however, being immaterial.

This receptacle is provided at one end with an open spout or tray portion having an inclined lip 11 whose front edge extends substantially into the plane of the corresponding side of the container to rest on the floor when the container is lying on that side. Rearwardly the spout portion joins the side in a shoulder 12 so that an incline is provided onto which débris may be readily swept while the shoulder 12 serves to retain such débris within the body of the container proper. This will be best understood by reference to Figure 1 which shows débris 13 being forced up the inclined spout by the broom 14, as contrasted with Figure 5 illustrating the manner in which the shoulder 12 retains this débris.

Diagonally cut side portions 15 laterally bound the spout 11 to prevent lateral displacement of the débris, said portions forming continuations of the sides of the container proper.

To supplement the retaining action of the shoulder 12 I provide the cover 16 hinged to the body as at 22 at the opposite side from the spout 11, said cover being of size and shape to fit against the edges of the sides 15 and the front edge of the portion 11 when closed to completely close the container and retain the waste material therein.

To automatically control the position of the cover and at the same time to provide for shifting of the container as an entirety, I provide a handle 17 having the spreading arms 18 and parallel portions 19 spanning the sides of the container. The portions 19 have inwardly deflected ends 20 pivotally engaged in the apertures 21 in the sides adjacent the portions 15. The point of pivotal connection of the handle to the container is therefore at one side of the center of gravity thereof so that when the device is lifted by the handle the greater weight of the closed end will cause it to depend in substantially the position shown in Figures 2 and 4.

It is to be noted that the length of the portions 19 is such that the arms 18 in their swinging movement clear the hinge 22 and contact with the cover 16, while when the parts are in the position shown in Figure 2 said arms serve to hold the cover in closed position.

To open the cover when the container is laid on the floor as shown in Figures 1 and

5, one or both of the portions 20 has the reversely extending finger 23 extending substantially parallel with the portion 19 but located interiorly of the receptacle and contacting with the under sides of the cover.

The position and size of this finger is such that as the handle is swung out of line with the receptacle the finger engages the interior of the cover, lifting it into open position as shown; Figure 5 showing the cover partly raised and Figure 1 illustrating it in fully opened position.

From the foregoing description taken in connection with the accompanying drawings, the construction and operation of my improved receptacle should be readily understood and it will be seen that I have provided an improved form of body with retaining shoulder and receiving spout into which the waste matter or débris may be readily forced and which will satisfactorily retain the contained material under ordinary service conditions.

It will further be noted that I have provided an improved cover actuating mechanism in the form of a single bent piece of wire which serves both as an attachment for the handle, a means for opening the cover automatically when the receptacle is shifted into receiving position, and a means for closing and securing the cover in closed position when the receptacle is moved out of receiving position.

I claim:

1. A collecting receptacle of the character described, comprising a body portion and a cover section hinged thereto, and a handle portion having furcations spanning the body portion and terminating in inwardly projecting pintles pivotally connecting the body portion and the furcations of the handle, said pintles being reversely bent interiorly of the body in the direction of the handle to provide fingers integral with the furcations, said fingers stopping short of the cover when in closed position but engageable therewith on pivotal movement of the handle to engage and lift the cover into raised position.

2. The combination with an elongated receptacle having an open receiving lip at one end thereof, of a cover hinged to said end and adapted to interengage with the lip to form a closure for the receptacle, and a control member for the receptacle and cover comprising a pair of connecting members having pintle portions journaled in the receptacle adjacent the lip, one end of each of said pintle portions being bent within the receptacle to extend into proximity with the cover when the latter is in closed position and the exterior portion of the pintle being bent into a bail portion overlying the cover, whereby a space is provided between the bail and inner terminus of the pintle to slidingly receive the cover, whereby swinging of the bails will shift the cover therewith about its hinge, and a handle member uniting said bails.

3. In a device of the character described, the combination with a container and a cover therefor pivotally connected thereto, and a handle therefor including pintle portions journaled in the sides of the container, lateral portions integral with said pintles and disposed exterior to the container, arms spanning the container and connecting said lateral portions, said arms being disposed in position to exteriorly engage the cover, and means carried by one of the arms for interiorly engaging the cover upon disengaging movement of the exterior portion of the arm.

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